

L 23143-66

ACC NR: AP6006941

organic solvents of various categories showed alcohols and ketones to be the best extracting agents. In determining phosphorus with BD, it is necessary to separate excess molybdate from PMC; the extract can be separated completely from the molybdate by washing twice with nitric acid at pH 1.5. Shaking with an HCl solution of potassium permanganate completely decolorizes the free triphenylmethane dyes, while the PMC-BD compound is not affected. An extractive-photometric method was developed for determining phosphorus by means of iodine green (sensitivity, 0.03 μ g phosphorus per ml) and crystal violet (sensitivity, 0.01 μ g phosphorus per ml). Orig. art. has: 1 figure, 1 table.

SUB CODE: 07/

SUBM DATE: 20Jul64/

ORIG REF: 002/

OTH REF: 003

Card 2/2 *over*

"APPROVED FOR RELEASE: 08/23/2000

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CIA-RDP86-00513R000927420004-3"

ACC NR: AR6034652 (A) SOURCE CODE: UR/0299/66/000/008/M020/M020

AUTHOR: Bocharov, V. Ya.; Kirpatovskiy, I. D.; Kulik, V. P.

TITLE: Experimental anatomic investigation of lymphatic and blood vessels of the small intestine of dogs after its total auto- and homotransplantation

SOURCE: Ref. zh. Biologiya, Part II, Abs. 8M116

REF SOURCE: Tr. 1-go Mosk. ped. in-ta, v. 42, 1966, 214-223

TOPIC TAGS: autotransplantation, homotransplantation, medical research, biologic transplant, biology, intestine, intestine transplantation, grafting

ABSTRACT: Autotransplantation of the small intestine was performed on 9 dogs, and homotransplantation of the same on 7 dogs. The upper mesenteric artery and vein were joined to the main blood vessels of the host. The lymphatic vessels were either completely ligated, with conservation or extirpation of lymph nodes, or else 1-2 large lymphatic vessels were ligated, leaving a free lymph drainage into the abdominal cavity through the remaining lymphatic vessels. The material was investigated in the process of the operation, after 1-2 days, 1-2 weeks, 1-2

Card 1/2

UDC: 577.99+591.169

ACC NR: AR6034652

months and more. More clearly expressed reaction changes in blood and lymphatic vessels were observed during homotransplantation than during autotransplantation. The earliest changes in blood and lymphatic vessels took place in the area of the vascular crus and intestinal anastomoses. The intestines showed more sharply defined changes in the venous system than in the arterial system. The area of the intestinal suture joined to the blood vessels towards the end of the first week. Drainage of lymph from the transplanted intestine was resumed in the end of the second week. Extirpation of mesenteric lymph nodes delayed the regenerative processes in the lymphatic vessels of the small intestine. Transplants diverting the lymphatic vessels formed at the end of the second month. The vessel cuff helped the regeneration of lymphatic and blood vessels. It is deduced that in cases of total transplantation of the small intestine it is indispensable to restore blood circulation, and likewise to rebuild main and abducent lymphatic vessels. [Translation of abstract] [GC]

SUB CODE: 06/

Card 2/2

ACC NR: AR6034651

SOURCE CODE: UR/0299/66/000/008/M019/M019

AUTHOR: Bykova, N. A. ; Kulik, V. P.

TITLE: Regeneration of the esophagus after resection in conditions of temporary application of prosthesis (Experimental research)

SOURCE: Ref. zh. Biologiya, Part II, Abs. 8M113

REF SOURCE: Tr. 1-go Mosk. med. in-ta, v. 42, 1965, 287-295

TOPIC TAGS: medicine, medical research, surgery, esophagus, esophagus regeneration, prosthesis

ABSTRACT: Sectors of the esophagus 3 to 10 cm long in 176 dogs were replaced by prosthesis made of polyethylene, polyvinyl chloride and catgut with a prolonged resorption time. The prosthesis were joined by sutures to the esophagus ends. Hystomorphologic examination was carried out after 2 to 6 weeks and after 3 to 4 months. A capsul pertaining to connecting tissues and made of collagenous and elastic longitudinally oriented fibers with small neural truncus ingrowing in the capsule developed around the prosthesis. The inner surface of the capsule

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ACC NR: AR6034651

became covered with a multilayer epithelium. The long stay of the prosthesis in the lumen of the esophagus delayed the development of the capsule which did not come into contact with the prosthesis. Against the background of the delayed maturation of the capsule, its ulceration and decubitus ulcers at the extremities of the esophagus were noted. Maturation of the capsule in the presence of the prosthesis took place without lessening of the diameter of the lumen of the esophagus, but the length of the newly formed segment was shorter than that of the resected sector. In a number of cases, maturation of the capsule without prosthesis was accompanied by a narrowing of the lower part of the lumen of the capsule. The relationship of the degree of narrowing of the esophagus with the time of removal of the prosthesis was not following a regular pattern. Favorable results of the formation of the capsule were obtained in cases of natural casting off of the prosthesis after complete aperture of the fixative sutures, usually between 3 and 7 weeks after the operation (acceptable period for removal of resorption of a prosthesis). The author prefers the use of monolithic prosthesis. When using prosthesis made of net, the tissues of the organism grow into the material, which causes a proliferative and giant-cellular reaction, disorder in the structure of the esophagus walls and disengagement and ulceration of the mucuous membrane of the esophagus. [Translation of abstract] [GC]

SUB CODE: 06/

Card 2/2

KIRPATOVSKIY, I.D., kand.med.nauk; KULIK, V.P., student

Porous and nonporous prostheses in esophageal alloplasty.
Khirurgiia 36 no.11:112-117 N '60. (MIRA 13:12)

1. Iz kafedry operativnoy khirurgii i topograficheskoy anatomii
(zav. - prof. V.V. Kovanov) I Moskovskogo ordena Lenina meditsin-
skogo instituta imeni I.M. Sechenova.
(ESOPHAGUS—SURGERY)

ANIKINA, T.I., dots.; DOGUSLAVSKAYA, T.B., ass.; BOMASH, Yu.M., dots.; GEYMAN, D.V., ass.; GRECHADEROV, Yu.V., ass.; DOBROVA, N.B., ass.; KLEPIKOV, V.A., ass.; ZUBRILOVA, A.V., ass.; KULIK, V.P., mlad. nauchn. sotr.; NIKOLAYEV, F.D., dots. [deceased]; SYCHENIKOV, I.A., dots.; TRAVIN, A.A., ispoln. obyazannosti prof.; RYBALKIN, P.Ye., ass.; KOVANOV, V.V., prof., red.; PROKOF'YEV, V.P., red.; ZAGOREL'SKIY, Ia.I., tekhn. red.

[Special methodology for practical work in topographic anatomy and operative surgery] Chastnaya metodika prakticheskikh zaniatii po topograficheskoi anatomii i operativnoi khirurgii. Izd.2., perer. i dop. Pod red. V.V.Kovanova. Moskva, 1963. 224 p. (MIRA 16:12)

1. Moscow. Pervyy meditsinskiy institut. 2. Kollektiv преподавателей кафедры оперативной хирургии и топографической анатомии 1-го Московского института имени И.М.Сеченова (for all except Prokof'yev, Zagorel'skiy). 3. Zaveduyushchiy кафедрой оперативной хирургии и топографической анатомии 1-го Московского института имени И.М.Сеченова, члена-корреспондент АМН СССР (for Kovanov).

(ANATOMY, SURGICAL AND TOPOGRAPHICAL)

(SURGERY, OPERATIVE)

transplantation, autotransplantation, blood circulation, regional lymph node

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BOCHAROV, V.Ya.; KIRPATOVSKIY, I.D.; KULIK, V.P.

Anatomicoexperimental study of lymphatic and blood vessels of the small intestine in dogs following its total auto- and homotransplantation. Trudy 1-go MMI 42:214-223 '65.

(MIRA 19:2)

1. Kafedra anatomii cheloveka i Moskovskogo ordena Lenina meditsinskogo Instituta imeni Sechenova i Laboratoriya po peresadke organov i tkaney AMI SSSR.

KIRILTOVRIY, I.D.; TROSHIN, A.Z.; KULIK, V.P.

Use of synthetic vascular prosthesis in total transplantation
of the small intestine; preliminary report. Trudy 1-go AMI 42:
224-231 '65. (MIRA 19:2)

1. Laboratoriya po peresadke organov i tkaney AMI SSSR i kafedra
operativnoy khirurgii i topograficheskoy anatomii i Pashkovskogo
ordena Lenina meditsinskogo instituta imeni Sechenova.

KULIK, V.P.

Efficient methodology for the application of prosthesis to the
esophagus. Trudy 1-go MMI 42:273-286 '65. (MIRA 19:2)

1. Laboratoriya po peresadke organov i tkaney AMN SSSR.

BYKOVA, N.A.; KULIK, V.P.

Regeneration of the esophagus following resection under conditions of a temporary application of prosthesis. Trudy 1-go MMI 42:237-295 '65. (MIRA 19:2)

1. Laboratoriya po peresadke organov i tkaney AMN SSSR.

ACC NR: AR6034652 (A) SOURCE CODE: UR/0299/66/000/008/M020/M020

AUTHOR: Bocharov, V. Ya.; Kirpatovskiy, I. D.; Kulik, V. P.

TITLE: Experimental anatomic investigation of lymphatic and blood vessels of the small intestine of dogs after its total auto- and homotransplantation

SOURCE: Ref. zh. Biologiya, Part II, Abs. 8M116

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ACC NR: AR6034652

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Card 2/2

ACC NR: AR6034651

SOURCE CODE: UR/0299/66/000/008/M019/M019

AUTHOR: Bykova, N. A.; Kulik, V. P.

TITLE: Regeneration of the esophagus after resection in conditions of temporary application of prosthesis (Experimental research)

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[GC]

SUB CODE: 06/

Card 2/2

KULIK, V. R. Capt, Vet Corps
(KULIK, V. G. ?)

"Novocaine Analgesia of Cervical Trunk of the Vagus Nerve for Treatment of Diseases of the Respiratory Organs of Horses"

(from Table of Contents for EQUINE DISEASES, a book compiled by A. Yu Branzburg and A. Ya. Shapiro under the editorship of A. M. Laktionova, State Press for Agricultural Literature, Moscow, 1947, which is a collection of works on epizootology, surgery, therapy, and clinical practice in the treatment of equine diseases. Most of the works were previously published in the journal Veterinariya or in one of the manuals issued by the Vet Admin of the Armed Forces USSR)

SOURCE: Bolezni Loshadey, Sbornik Rabot, Ogiz-Sel'khozgiz

KULIK, V.T. [Kulyk, V.T.]

Method for determining the dynamic characteristics of industrial equipment from its normal operating records in the presence of noise.
Avtomatyka no. 1:15-25 '60. (MIRA 14:5)

1. Kiyevskiy ordena Lenina politekhnicheskoy institut.
(Information theory)

KULIK, V.T. [Kulyk, V.T.]

Methods of simulating cybernetic systems using their normal operating records. Avtomaty no.3:17-30 '60. (MIRA 13:10)

1. Kiyevskiy ordena Lenina politekhnicheskoy institut.
(Automatic control)

KULIK, V.T. [Kulyk, V.T.]; KREMENTULO, Yu.V.

Review of I.A.Z. TSypkin's book "Theory of Pulse Systems."

Avtomatyka no.3:93-95 '60.

(MIRA13:10)

(Pulse techniques (Electronics))
(TSypkin, I.A.Z.)

16.8000,

S/194/62/000/007/008/160
D222/D309

AUTHOR: Kulik, V.T.

TITLE: New principles in the algorithmization and construction of control mechanisms

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, v. 7, 1962, abstract 7-1-22 zh (Tr. Kiyevsk. politekhn. in-ta. Sb. statey elektrotekhn. fak., Kiev, 1961, 256 - 270)

TEXT: A short survey of the basic directions in the field of algorithmization of industrial processes and constructing control mechanisms for industrial applications designed at the Kafedra vychislitel'noy tekhniki KPI (Department of Computer Technology of the KPI). The concepts of the theory of optimal organization and control are introduced, which differ from the theory of complex automation by its more general approach: 1) Systems are considered which can include a human being in the controlling task of the system; 2) the industrial process is examined in its interaction with other factors (e.g. economical ones); 3) a rational organization of the pro-
Card 1/2

✓B

New principles in the ...

S/194/62/000/007/008/160
D222/D309

cess itself is achieved. As to its character, the use of computers is divided into informational, program-controlled machines, and control. The basic structural schemes of these in systems of industrial cybernetics are given. The principles of equivalent programming are briefly described, and the operation method is noted in particular. The use of interpolational and extrapolational method makes it possible to determine simultaneously both the statistical and dynamic characteristics of systems under non-stationary input influences. In systems of optimal organization the use of self-education with an equivalent self-organizing model is recommended. 11 figures. 3 references. [Abstracter's note: Complete translation.] ✓B

Card 2/2

16,8000

S/194/62/000/008/024/100
D201/D308

AUTHOR: Kulik, V.T.

TITLE: Algorithmic description of automatic control systems

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 8, 1962, abstract 8-2-138 p (Izv. Kiyevsk. politekhn. in-ta Sb. tr. aspirantov Elektrotekhn. fak., 1961, no. 1, 95-114)

TEXT: In conjunction with attempts to produce a general mathematical apparatus for the theory of automatic control systems, the author describes the algebra of structural diagrams of automatic control systems. The structure of the system is described with the aid of logical operators which assume only 2 values (1 or 0) and with the aid of so-called non-logical operators which can represent continuous links of a system having a certain transfer function. In addition use is made of several other special signs and symbols denoting the form of combinations of elements and types of connections. It is pointed out that the introduction of such a description of the control systems should make it easier to study them from the Card 1/2

✓B

Algorithmic description of automatic ... S/194/62/000/008/024/100
D201/D308

point of view of information theory. The problems of an equivalent
formation of structural diagrams of the control systems are also
considered. 8 references. [Abstracter's note: Complete translation].

✓B

Card 2/2

S/194/62/000/008/023/100 ..
D201/D308

16-6000

AUTHOR: Kulik, V.T.

TITLE: Interpolation methods of statistical analysis of controlled objects

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 8, 1962, abstract 8-2-130 sh (Izv. Kiyevsk. politekhn. in-ta. Sb. tr. aspirantov Elektrotekhn. fak, 1961, no. 1, 115-128)

TEXT: A short classification of statistical methods of determining the characteristics of controlled objects is given. The interpolation methods are understood as those which seek the required dynamic characteristic in the analytical form depending linearly on certain parameters. The parameters of this expression are estimated from the condition of maximum probability of selecting the observations of the object output within a finite time interval. It is assumed that the output of the object may contain interferences not correlated with the input. The interference distribution law is assumed to be normal. The dynamic characteristic is sought in the Card 1/2

Interpolation methods of ...

S/194/62/000/008/023/100
D201/D308

form of pulse response of the system. Numerical methods of solution of this problem are analyzed; these methods are intended for use with both manual calculating machines and digital or analog computer. The problem of application of these methods to the determination of characteristics of objects with several inputs and outputs is discussed. 4 references. [Abstracter's note: Complete translation.] ✓

Card 2/2

KULIK, Valeriy Timofeyevich, starshiy nauchnyy sotrudnik

Certain methods for the statistical analysis of control objects.
Izv.vys.ucheb.zav.; elektromekh. 5 no.4:402-419 '62.

(MIRA 15:5)

1. Kafedra vychislitel'noy tekhniki Kiyevskogo politekhnicheskogo
instituta.

(Automatic control)

0271 61 000/003/014/049
412 112

Kulik, V.T.

TITLE: Equivalent simulation of complex controlled systems

PERIODICAL: Referativnyy zhurnal, Avtomatika, telemekhanika i vychislitel'naya tekhnika, no. 3, 1963, 55, abstract 3A136.11-21. 4-y Mezhd. kon-ferentsii po primeneni. fil. i matem. modelirovaniya v razlichn. tras. i tekhn. Ob. 3. Moscow, 1962, 3-10.

The author considers simulators similar to algorithmically con-
trolled systems obtained by the optimal algorithm. In order to construct the
equivalent model from a known algorithm, he has to search for the latter
in the optimal fashion, i.e., carry out the equivalent pro-
gramming. General, practical methods are indicated which lead to a solution at
least close to the optimal. The example of solution of one class of problems is
considered. The principles are given for constructing algorithms for complex
systems with the use of digital computers. In that case the author constructs an algo-
rithm on the principles of equivalent programming. Any sufficiently gen-

Part 1/2

Equivalent simulation of complex controlled systems

3/27/63/000/003/014/049
A060/A126

eral statistical criterion may be taken as the criterion of maximum equivalence. Certain problems of constructing self-organizing simulators are considered. In particular, a program-controlled computer equipped with an appropriate algorithm for the simulation of a self-organizing system. The translations are given of the simulation of systems described by the following self-organization algorithm: the system is allowed to evolve in a controlled manner in the area of its state space, the system is allowed to evolve in a controlled manner in the area of its state space, the system is allowed to evolve in a controlled manner in the area of its state space.

V. G.

[Abstracter's note: Complete translation]

Card 2/2

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KULIK, Valeriy Timofeyevich; IVAKHNENKO, A.G., prof., ~~ret~~senzent;
IVANOV, V.V., kand. fiz.-matem. nauk, red.; NAVROTSKAYA,
L.B., inzh., red.; STARODUB, T.A., tekhn. red.; MATUSEVICH,
S.M., tekhn. red.

[Principles of algorithmation and construction of control
machines] Printsipy algoritmizatsii i postroeniia uprav-
liaiushchikh mashin. Kiev, Gostekhizdat USSR, 1963. 309 p.
(MIRA 17:2)

1. Chlen-korrespondent AN Ukr.SSR (for Ivakhnenko)

"APPROVED FOR RELEASE: 08/23/2000

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APPROVED FOR RELEASE: 08/23/2000

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THE SYSTEMS ANALYSIS CHARACTERISTICS OF ALGORITHMS AND FORMS
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OF THE SYSTEMS ANALYSIS CHARACTERISTICS OF ALGORITHMS AND FORMS

ACCESSION NR: AP4037404

S/0122/64/000/005/0080/0081

AUTHORS: Kulik, V. T. (Candidate of technical sciences); Ivanov, V. V.
TITLE: Problems of algorithmization and use of computational procedures for
control of manufacturing processes

SOURCE: Vestnik mashinostroyeniya, no. 5, 1964, 80-81

TOPIC TAGS: algorithmization, computational procedure, industrial process
control, optimization

ABSTRACT: The subjects covered at a seminar in Kiev at the end of 1963, on the
subject given in the title, were as follows: 1.) basic uses of computational
techniques in manufacturing, 2.) methods of optimization of manufacturing, 3.)
statistical methods of analysis of manufacturing processes, 4.) controlling
machines and programming, and 5.) use of computational techniques for controlling
continuous and discrete production. A short summary of each topic is given.

ASSOCIATION: none

Card 1/2

ACCESSION NR: AP4037404

SUBMITTED: 00

SUB CODE: IE, DP

DATE ACQ: 04Jun64

NO REF SOV: 003

ENCL: 00

OTHER: 000

Card 2/2

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PETRENKO, Anatoliy Ivanovich, kand. tekhn. nauk; DEMINOVETSKIY,
Stanislav Vladimirovich, kand. tekhn. nauk; KULIK, V.T.,
kand. tekhn. nauk, retsenzent;

[Scale-time pulse signal converters] Mashtabno-vremennye
preobrazovateli impul'snykh signalov. Kiev, Tekhnika, 1965.
155 p. (MIRA 18:10)

L 05233-67 EWP(k)/EWP(h)/EWT(d)/EWP(1)/EWP(v)
ACC NR: AR6017092

SOURCE CODE: UR/0372/65/000/012/G004/G004

AUTHOR: Kulik, V. T.

TITLE: Unified algorithms for the organization of self-learning models of complex
controllable systems 14

34
B

SOURCE: Ref zh. Kibernetika, Abs. 12G19

REF SOURCE: Vestn. Kiyevsk. politekhn. in-ta. Ser. avtomatiki, elektropriborostr. i
radioelektron., no. 1, 1964, 115-122

TOPIC TAGS: learning mechanism, algorithm, computer logic

ABSTRACT: The existing classes of self-learning systems are considered, as are certain approaches to the solution of the following problems: optimal (from the standpoint of realization by means of computer engineering) presentation of the mathematical description of a model and of the algorithm (A) for its determination; most economical and effective construction of a computational system for the realization of complex self-learning algorithms. The volume minimum and simplicity of the logic scheme of A are given as the basic criteria for comparing various A. Block diagrams of programs are presented. It is pointed out that the

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UDC: 62-506:681.142.36

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ACC NR: AR6017092

most general scheme of a machine contains elements that can, in principle, be used to represent the realization of any A and that, moreover, it includes the possibility of changing the structural combination of elements, whether predetermined or random (but with stable couplings). The possible structure of a unified system for the realization of a broad class of learning models is presented. Yu. U. [Translation of abstract]

SUB CODE: 09, 12/

Card

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ACC NR: AM5012953

MONOGRAPH

UR

Kulik, Valeriy Timofeyevich

Digital modeling of complex systems (Tsifrovoye modelirovaniye slozhnykh sistem)
[Kiev] Izd-vo Kiev. univ., 1964. 199 p. illus., biblio. (At head of title;
Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya USSR. Kiyevskiy ordena
Lonina politekhnicheskoy institut) 3,700 copies printed.

TOPIC TAGS: digital computer, mathematical model, algorithm,
algorithmic language, bionics, cybernetics, computer control system, automatic
control, computer design, computer technology

PURPOSE AND COVERAGE: This book deals with methods of modeling complex systems with digital computers and other machines. Machine algorithms and automation of mathematical modeling of complex facilities of industrial cybernetics and bionics are discussed in detail. Methods of determining the mathematical forms for complex systems and of employing mathematical models with digital computers, combined machines, and multiple-unit complexes are suggested. Principles of construction of complex standard computer systems for operational analysis and modeling are given. This monograph is intended for engineers specializing in automation and computer technology, as well as for students, aspirants, and engineers concerned with these problems.

Cord 1/2

ACC NR: AM5012953

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Ch. I. Methods for constructing mathematical models - - 4

Ch. II. Automatic control methods for algorithmic procedures and adaptation of
algorithmic models to machine use - - 73

Ch. III. Systems of operational analysis and modeling, and adaptation of machines
to algorithms - - 136

Bibliography - - 194

SUB CODE: 1.09.12/ SUBM DATE: 18Sep64/ SOV REF: 049/ OTH REF: 017

KU...K, V.T., kand. tekhn. nauk; IVANOV, V.V.

Problems in the application of algorithms and the use of
computing equipment for the control of production processes.
Vest. mashinostr. 44 no.5:80-81 My '64. (MIRA 17:6)

KULIK, Valeriy Timofeyevich; MIRONETS, Ye.M., red.

[Digital modeling of complex systems] TSifrovoe modelirovanie slozhnykh sistem. Kiev, Izd-vo Kievskogo univ. 1964. 199 p. (MIRA 18:2)

KULIK, V.V. [Kulyk, V.V.], aspirant

Study on the function of mammary glands in cows fed and milked
either twice a day or three time a day. Nauk.pratsi "Ask.-Nov."
9:67-85 '61. (MIRA 15:3)
(Mammary glands)

SOLOV'YEV, V.; AGLITSKAYA, A.; KULIK, Ya.; BARER, T.

Meat fermentation as a means for improving its quality. Mias.
ind. SSSR 33 no.4:51-54 '62. (MIRA 17:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut myasnoy
promyshlennosti (for Solov'yev, Aglitskaya).

KULIK, Ya.

Transportation of refrigerated meat in southern regions.
Mias. ind. SSSR 34 no.5:28 '63. (MIRA 16:11)

1. Nauchno-issledovatel'skiy institut pishchevoy promyshlennosti Dagestanskogo soveta narodnogo khozyaystva.

KULIK, Ya.B.

Advantage of monocular roentgenoscopy in the extraction of
foreign bodies. Ortop. travm. i protez. 21 no. 9:26-29 S '60.
(MIRA 13:12)

1. Iz kliniki obshchey khirurgii (zav. kafedroy - prof. G.G.
Dubinkin) Smolenskogo meditsinskogo instituta.
(FOREIGN BODIES)

1ST AND 2ND COLUMNS										3RD AND 4TH COLUMNS									
PROCESS AND PROPERTIES INDEX																			
<p>ca</p> <p>The production of mandarin juice. Ya. I. Kulik. <i>Konservnaya Plodovoi i chernykh Prom.</i> 1938, No. 5, 10-12; <i>Chem. Zentr.</i> 1939, II, 755.—With a single pressing, the juice yield is 80-90%; a second pressing yields an addnl. 15-20% of juice having a bitter taste owing to the greater extn. of glycosides from the white membrane of the fruit. Juice pasteurized at 75° has a pH of 6.4, an acidity of 0.82% and a d. of 12.2. It contains ash 0.43, sucrose 5, invert sugar 3.27, org. acids 1, volatile acids 0.06, NaCl 0.07 and vitamin C 31.18-24.39%. The vitamin C content depends upon the speed and mechanics of the processing. M. G. Moore</p>																			
<p>ADD-31A METALLOGICAL LITERATURE CLASSIFICATION</p>																			
FROM SYMBOLS										FROM SYMBOLS									
SELECT ONE ONLY										SELECT ONE ONLY									
<p>SELECT ONE ONLY</p>										<p>SELECT ONE ONLY</p>									

KULIK, YA. I.

KULIK, YA. I.: "A study of the properties of the lipids of peas infected with the fungus *Aspergillus flavus*." Min Higher Education Ukrainian SSR. Kiev State U imeni T. G. Shevchenko. Simferopol', 1956. (Dissertation for the Degree of Candidate in Biological Science.)

Source: Knizhnaya letopis'

No 40

1956

Moscow

KULIK, Ya.Y.

Studying the properties of lipids separated from peas infected with the fungus *Aspergillus flavus* Link. Mikrobiol.zhur. 19 no.3:36-43 '57. (MIRA 10:11)

1. Z Ryazans'koi khimichno-bakteriologichnoi laboratorii.
(*ASPERGILLUS*—TOXICOLOGY) (LIPIDS) (FOOD SPOILAGE)

KULIK, Ya. I. Cand Biol Sci -- "Study of the properties of lipids of peas affected with fungus." Baku, 1960 (Committee of Higher and Secondary Specialized Education of the Council of Ministers AzSSR. Azerbaydzhan State Univ im S. M. Kirov). (KL, 1-61, 188)

-126-

KULIK, Ye.L.

Carboniferous Bereselleae of the Russian Platform. Paleont.
zhur. no.2:99-114 '64. (MIRA 17:7)

1. Geologicheskii institut AN SSSR.

KULIK, YE. I.

USSR/Geology - Paleontology
Carboniferous Deposits

Nov/Dec 49

"Relation of Fusulinids to Facies and Periodicity in Their Development," D. M.
Rauzer-Chernousova, Ye. I. Kulik, 18 pp

"Iz Ak Nauk SSSR, Ser Geol" No 6

Discusses influence of various factors of external medium upon development of Fusulinids. Establishes that certain types of shells are adapted to definite facies and that ability to adapt to different ecological conditions increases in the process of development of species and families. Definite periodicity is observed in appearance of new forms and in number of species and families. Their periodicity coincides roughly with cyclic behavior of sedimentary accumulation processes.

PA 152T39

USSR - Paleontology

Card 1/1 Pub. 22 - 33/43

Authors : Maslov, V. P., and Kulik, Ye. L.

Title : New kind of seaweed (Bereselleae) from the Carboniferous of the USSR

Periodical : Dok. AN SSSR 106/1, 126-129, Jan 1, 1956

Abstract : Geological-paleontological data are presented on a new type of Bereselleae seaweeds presumably originated during the Carboniferous period of the USSR. Four references: 3 USSR and 1 Germ. (1893-1951). Drawings.

Institution :

Presented by: Academician N. M. Strakhov, July 20, 1955

KULIK, Ye.L.

Rhabdoporella finds in the upper Devonian deposits of the
Russian Platform and Kazakhstan. Dokl. AN SSSR 112 no.3:
527-529 Ja '57. (MLRA 10;4)

1. Geologicheskii institut Akademii nauk SSSR. Predstavleno
akademikom N.S. Shatskim.

(Russian Platform--Algae, Fossil)

(Kazakhstan--Algae, Fossil)

KULIK, Ye. Z.

AUTHORS: Levkoyev, I. I., Svoshnikov, N. N., 79-11-40/56
Kulik, Ye. Z., Krasnova, T. V.

TITLE: Investigations in the Field of Cyanine Dyes. XI. On Some
7,7'-Dimethylthiacarbocyanines (Issledovaniya v oblasti
tsianinovykh krasiteley. XI. O nekotorykh 7,7' -
Dimetil'tiakarbotsianinakh).

PERIODICAL: Zhurnal Obshchey Khimii, 1957, Vol. 27, Nr 11,
pp. 3097-3106 (USSR)

ABSTRACT: Disubstituted thiacyanines with methoxy-, ethoxy-,
acetoxy-, amino-, acetamino- and dimethylamino-groups in
7,7'-positions possess properties of dyes, but they are
weak sensitizers for silver halide photographic emulsions.
In order to find out how far the specific properties of
these dyes are connected with the electron-influence of the
substituents, the authors had to investigate the
thiacyanines with comparatively neutral methyl groups
in 7,7'-positions. The synthesis of 2,7-dimethyl-
benzthiazole was carried out. From the quaternary salts
of this base and other dimethylbenzthiazoles the authors
obtained a number of carbo- and dicarbocyanines, as well
as 2-p-dimethylaminostyrene derivatives. By oxidation of

Card 1/2

Investigations in the Field of Cyanine Dyes. XI. On Some 7,7' - Dimethylthiacarbocyanines 79-11-20/56

thioacetyl-m-toluidine with potassium ferrocyanide a mixture of 2,7- and 2,5-dimethylbenzthiazoles is obtained. The entry of the methyl groups into the hetero-residues of thiacarbocyanines causes a practically equal deep-colored effect as well in the 4,4' and 7,7' as in the 5,5' - 6,6' positions. But the presence of these groups in the above-mentioned positions exerts a different influence on the basicity of the dye and the benzthiazole-residue. The part played by the electron-displacements in connection with the changes in color remains problematical. There are 2 tables, and 28 references, 14 of which are Slavic.

ASSOCIATION: All-Union Cinema- and Photographic Scientific Research Institute (Vsesoyuznyy nauchnoissledovatel'skiy kinofotoinstitut)

SUBMITTED: November 5, 1956

- Card 2/2
1. Cyanine dyes - Chemical analysis
 2. 7,7'-Dimethylthiacarbocyanines - Derivatives
 3. 2,7' - Dimethylbenzthiazole - Synthesis

KULIK, Yu., inzh.

Over-all mechanization of ship hull building. Rech. transp.
22 no.9:25-26 S '63. (MIRA 16:10)

BESPYATOV, M.P., kand.tekhn.nauk; POLSTYANOV, V.I., inzh.; VITSENKO,
I.S., inzh.; SUKHOBORUSOV, P.N., inzh.; SHVEDOV, V.K., inzh.;
KULIK, Yu.A., inzh.

Continuous contact splitting of fats. Masl.-zhir. prom. 23
no.9:22-23 '57. (MIRA 10:12)

- 1.Khar'kovskiy politekhnicheskii institut (for Bespyatov).
- 2.Khar'kovskiy mylovarennyy kombinat (for Polstyanov, Vitsenko,
Sukhobrusov, Shvedov, Kulik).
(Oils and fats)

AUTHOR: Kulik, Yu.A., Engineer

110-58-6-3/22

TITLE: Currents in the Damper Windings of Three-phase Synchronous Machines (Toki uspokoitel'noy obmotki trekhfaznoy sinkhronnoy mashiny)

PERIODICAL: Vestnik Elektromyashlennosti, 1958, Nr 6, pp 16 - 22 (USSR)

ABSTRACT: Methods of calculating the current in damper windings are not reliable and heating is apt to be uneven in consequence. This article offers well-founded and convenient formulae for calculating the current in damper windings. To this end, an expression is derived for the n^{th} damping circuit in the longitudinal-axis, consisting of bars symmetrically placed in relation to the pole axis. Analogous expressions can be written for the cross-axis. The currents in the damper-winding bars and the corresponding magnetic fields are illustrated diagrammatically in Figure 1. By subtraction of expressions derived above, a further expression is obtained for the characteristics of neighbouring bars; a diagram of the corresponding currents and magnetic fluxes appears in Figure 2. When the frequency is high, the active resistances may be neglected and the slot-leakage reactances of the bars are also usually negligible compared with the circuit

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110-58-6-3/22

Currents in the Damper Windings of Three-phase Synchronous Machines

inductances. The mathematical conditions under which these simplifications can be made are analysed. Expressions are derived for the currents in the longitudinal and lateral axes; the satisfactory agreement between theory and experiment is demonstrated by the results given in Table 1. Calculations are then made of the damper-winding current with a circular asynchronous field when the field winding is open-circuited. Experiments were then made to verify the formulae. In a temporarily converted synchronous machine, two armature phases were driven by another motor and supplied with d.c.. Thus, the sinusoidal field rotated relative to the poles. Currents were determined from voltage-drop measurements on the damper-winding bars. To this end, the bars were made hollow and had two wires soldered to the inside with their ends brought out. The tests were made with no interpole connections on the damper windings, with various numbers of bars per pole and with various bar pitches. The test results are given in Table 2. Since the machine was not running at synchronous speed, the presence of the damper winding increased the flux in the longitudinal axis and diminished it in the lateral axis, hence the currents in the bars were

Card2/4

110-38-6-3/22

Currents in the Damper Windings of Three-phase Synchronous Machines

not uniform.

Current calculations are then made for the case of low frequency. The damping currents in the bars are smaller in this case and a complex method is used for their approximate determination. An expression is also derived for the mutual inductance. The damper-winding currents at a frequency of 1 c.p.s. were derived from oscillograms of voltage drop on the bars and are represented in Figure 4. The experimental conditions were the same as in Table 1: the measured currents are greater than the calculated values, but the distribution is similar. Calculated values of the current concentration in different bars are given in Table 3. The formulae derived in the article provide for the necessary calculation of currents, to indicate the appropriate cross-sections for the damper-winding components. The expressions for the thermal deformation of the bars under different conditions have been formulated, also those for the dynamic

Card3/4

110-58-6-3/22

Currents in the Damper Windings of Three-phase Synchronous Machines

forces in individual parts of the damper winding during sudden short-circuits or when the load or excitation are altered. There are 4 figures, 3 tables and 2 Soviet references.

ASSOCIATION: NII EP

Card 4/4

1. Damping--Measurement

KULIK, Yu. A., Candidate Tech Sci (diss) -- "Theoretical and experimental investigation of the damper windings of synchronous machines". Moscow, 1959. 23 pp (TsBTI NII of the Electrical Industry), 120 copies (KL, No 23, 1959, 167)

KULIK, Yu.A., kand.tekhn.nauk

Method of calculating currents in the damper winding of a
synchronous machine. Elektrichestvo no.9:53-59 S '60.

(MIRA 13:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut elektromekhaniki.
(Electric machinery, Synchronous--Windings)

DANILEVICH, Ya.B.; KUIIK, Ya.A.

Additional losses in the damper winding of synchronous machines.
Sbor. rab. po vop. elektromekh. no.6:277-286 '61. (MIRA 14:9)
(Electric machinery, Synchronous)

KULIK, Yu.A., kand.tekhn.nauk (Moskva)

Losses in the damper windings of synchronous machines due to
transient voltage harmonics. Elektrichestvo no.10:34-37 0 '61.
(MIRA 14:10)

(Electric machinery, Synchronous)

DANILEVICH, Yamuslav Bronislavovich; KULIK, Yuriy Andrianovich;
KASHARSKIY, E.G., otv.red.; SUVOROV, I.V., red.izd-va;
AREF'YEVA, G.P., tekhn.red.

[Theory and design of the damper windings of synchronous
machines] Teoriia i raschet dempfernykh obmotok sinkhronnykh
mashin. Moskva, Izd-vo Akad.nauk SSSR, 1962. 136 p.

(MIRA 15:5)

(Electric machinery—Windings)

111

Sektsionnyy metod remonta rechnykh sudov [Sectional method of repairing river
craft] Moskva, Vodtransizdat, 1953.
79 P. Illus., Diagr.

N/5
756.134
.K9

KULIK, Yuriy Grigor'yevich; SHLEYMOVICH, S.S., redaktor; VITASHKINA, S.A.,
redaktor; VOLKOVA, Ye.D., tekhnicheskiiy redaktor.

[Technological fitting out for the sectional building of ships; area of preliminary assembly of units and sections of the hull] Tekhnologicheskaya osnastka dlia sektiionnoi sborki sudov; uchastok predvaritel'noi sborki uzlov i sektiisii korpusa. Moskva, Izd-vo "Rechnoi transport," 1954.
101 p. (MIRA 8:4)

(Shipbuilding)

KULIK, Yu.G., inzh.

Improve methods of major repairs on ship hulls. Sudostroenie 24
no.8:49-53 Ag '58. (MIRA 11:10)
(Hulls(Naval architecture)--Maintenance and repair)

KULIK, Yu. G., Cand Tech Sci -- (diss) "Research into technological factors in the repair of ship bodies." Gor'kiy, 1960. 20 pp; with illustrations; (Ministry of River Fleet, Gor'kiy Inst of Water Transport Engineers, Chair of the Technology of Ship-Building); 200 copies; price not given; (KL, 27-60, 153)

KULIK, Yu. G., inzh.

Certain characteristics of an oxy-propane heating flame. Svar.
proizv. no.6:19-23 Je '61. (MIRA 14:6)

1. Gor'kovskiy institut inzhenerov vodnogo transporta.
(Gas welding and cutting)

CONFIDENTIAL

1. The purpose of this document is to provide information on the activities of the [redacted] in the [redacted] area. The information is classified as CONFIDENTIAL because it contains information that could be of use to the [redacted] if it were to be disclosed to the public. (MIA 1713)

ACC NR: AP6011218 SOURCE CODE: UR/0413/66/000/006/0054/0055

INVENTOR: Kulik, Yu. G.; Ryazhkin, Yu. N.

ORG: none

TITLE: A device for forming circular welds in welding cylindrical tanks. Class 21,
No. 179862

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 6, 1966, 54-55

TOPIC TAGS: welding, cylindrical tank, open tank, closed tank, tank welding, circular weld, weld forming device

ABSTRACT: This Author Certificate introduces a device for forming circular welds in welding cylindrical tanks. The device ensures formation of the inner side of the weld in both open and closed tanks. The device (see Fig. 1) consists of a detachable tripod with adjustable arms which bear against the inside walls of the tank. An oscillatory system consisting of a water-cooled slider and a reducing gear with two electric motors is mounted at the tripod center. A pendulum-type sensor electrically

Card 1/2

UDC: 621.791.039-434.1

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ACC NR. AP6011218

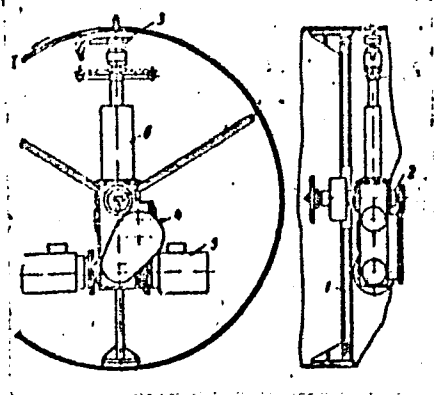


Fig. 1. Device for forming circular welds

- 1 - Tripod; 2 - axis; 3 - slider;
- 4 - reducer; 5 - electric motors;
- 6 - pendulum sensor.

connected with the motors automatically switches on the corresponding motor in order to counteract the rotation of the slider together with the tank. Orig. art. has: 1 figure. [MS]

SUB CODE: 13/ SUBM DATE: 03Jun64/ ATD PRESS: 4230

Card 2/2 ULR

SABSAY, B.I.; KULIK, Yu.Ya.

Enzymatic adaptation of gastric glands to meat proteins
and gluten in simulated feeding. Biul. eksp. biol. i med.
60 no.9:27-30 S '65. (MIRA 18:10)

1. Laboratoriya fiziologii i patologii pishchevareniya (zav. -
prof. S.I. Filippovich) Instituta normal'noy i patologicheskoy
fiziologii (dir. - deystvitel'nyy chlen AMN SSSR prof. V.V.
Parin) AMN SSSR, Moskva.

SAL'NIKOV, N.Ye.; KULIK, Zh.V.

Materials on the ichthyofauna of bays of the sea margin of the
Kiliya Delta of the Danube River. Uch. zap. Kish. un. 62 no.1:
43-52 '62. (MIRA 16:7)

1. Institut gidrobiologii AN UkrSSR.
(Danube Delta--Fishes)

KULIK-KUZIEMSKA, I.

Usefulness of Pantle's method in the interpretation of the results
in hydrobiological investigations. Acta Microb.polon. 8:49-56 1959.

1. Z Instytutu Budownictwa Wodnego PAN w Gdansk.
(WATER POLLUTION)

KULIK-KUZIEMSKA, I.

Biological characteristics of water in the harbor basin in Gdansk
in the area of discharge of city sewage. Acta Microb.polon. 8:57-
66 1959.

\ 1. Z Instytutu Budownictwa Wodnego PAN w Gdansk.
(WATER POLLUTION)

KULIK-KUZIEMSKA, Irena

On the adaptation ability of microorganisms of activated sludge
under improved loading conditions. Rozprawy hydrotechn no.9:93-
109 '61.

S/276/63/000/002/023/052
A052/A126

AUTHOR: Kulikauskas, L.

TITLE: Galvanic deposition of Ni-P alloy instead of chrome plating

PERIODICAL: Referativnyy zhurnal, Tekhnologiya mashinostroyeniya, no. 2, 1963, 99, abstract 2B516 (Nauchn. tr. Lit. s. kh. akad., v.9, no. 2, 1962, 14-16, Lithuanian; summary in Russian)

TEXT: The results of investigations of galvanic deposition of Ni-P alloy are reported. The process is applied to the recovery of machine elements instead of chrome plating. It is shown that Ni-P alloy has a high degree of hardness, wear resistance and thermal stability, and that its application is several times as efficient as that of chrome plating.

(Abstracter's note: Complete translation.)

Card 1/1

KULIEPAUSKAS, L.I., Cand Tech Sci -- (diss) "Study of
Immune conjugates *reconstituted* by *different* methods."
~~Immune~~ conjugates ~~reconstituted~~ by ~~different~~ methods."
Kaunas, 1958, 17 pp (Min of Agr USSR. Lithuanian Agr
Acad) 130 copies (KL, 50-58, 125)

- 70 -

KULIKOV, A., kand.tekhn.nauk

Battery ignition. Za rul. 21 no.6:19 Je '63. (MIRA 16:11)

SKURATOV, A.S.; KULIKOV, A.A., kand. tekhn. nauk, dotsent

Approximate method for the determination of an electric field
in a uniform conducting media. Elektrichestvo no.8:29-32 Ag '63.
(MIRA 16:10)

KULIKOV, A.A.

Ways of further technical progress in the transportation and storage of petroleum and petroleum products. Transp. i khran. nefti no.1:3-5 '63. (MIRA 16:9)

1. Glavnoye upravleniye po transportu i snabzheniyu neft'yu i nefteproduktami RSFSR.

KULIKOV, A. A., Sr. State vet. insp. for Azerbaidzhan SSR

"The leaders of livestock breeding."

SO: Veterinariya 27(11), 1950, p. 57

KULIKOV, A.A., Sr. State Vet. Inspector of Azerbaidzhan SSR.
"The Dzegam Zooveterinary Point"

So: Veterinarija 28(3), 1951, p.52

KULIKOV, Anatoliy Arkad'yevich, mekhanik; PANKOVA, V.M., red.; MALEX, Z.N.,
tekhn.red.

[Water beyond the encroachment line] Voda za konturom. [Moskva]
Izd-vo VTsSPS Profizdat, 1957. 60 p. (MIRA 11:5)

1. TSekh poddershaniya plastovogo davleniya ordena Lenina
promyslovogo upravleniya "Tuymazaneft" (for Kulikov)
(Petroleum engineering)

KULIKOV, A.A.

Underground trans-Sevastopol pipeline. Izv.vys.ucheb.zav.;
neft' gaz 2 no.11:54 '59. (MIRA 13:4)

1. Nachal'nik otdela ekspluatatsii magistral'nykh truboprovodov
Rosglavneftesnabsbyt. (Petroleum--Pipelines)

VAGIN, A.G.; KULIKOV, A.A.

Sensitivity of the skin to tuberculin in healthy persons and
pulmonary tuberculosis patients. Probl. tub. 42 no.3:9-11 '64.
(MIRA 18:1)

1. Kafedra tuberkuleza (nachal'nik -- doktor med. nauk V.A.
Vasil'yev) Voenno-meditsinskoy ordena Lenina akademii imeni S.M.
Kirova.

KULIKOV, A.A., inzh.

Calculating high pile gratings in an oblique-angled system of coordinates. Sbor. rab. Lengiproinzhproekta: 30-36 0 '61.

(MIRA 18:1)

KULIKOV, A.A., kand. tekhn. nauk, dotsent

Calculation of currents in the primary circuit of a magneto.
Elektrichestvo no.11:66-70 N '65. (MIRA 18:11)

KULIKOV, A.A., kand. tekhn. nauk

Using high-speed computers of discrete and continuous action
in analyzing motor-vehicle and tractor electric equipment.
Avt. prom. 31 no.8:29-31 Ag '65. (MIRA 18:8)

i. Nauchno-issledovatel'skiy i eksperimental'nyy institut
avtomobil'nogo elektricoborudovaniya, karburatorov i priborov.